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(54) **COOLING CIRCUIT FOR A MULTI-WALL BLADE**

(57) A cooling circuit (30) for a multi-wall blade (6) according to an embodiment includes: a pressure side cavity (20A) with a surface (60) adjacent a pressure side (8) of the multi-wall blade (6); a suction side cavity (22A) with a surface (62) adjacent a suction side (10) of the multi-wall blade (6); a central cavity (26A) disposed between the pressure side and suction side cavities (20A, 22A), the central cavity (26A) including no surfaces adjacent the pressure and suction sides (8, 10) of the multi-wall blade (6); a first leading edge cavity (18B) with surfaces adjacent the pressure and suction sides (8, 10) of the multi-wall blade (6), the first leading edge cavity (18B) located forward of the central cavity (26A); a second leading edge cavity (18A) located forward of the first leading edge cavity (18B); at least one impingement opening (44) for fluidly coupling the first leading edge cavity (18B) to the second leading edge cavity (18A); and at least one channel (76) for fluidly coupling the central cavity (26A) to a tip (78) of the multi-wall blade (6).

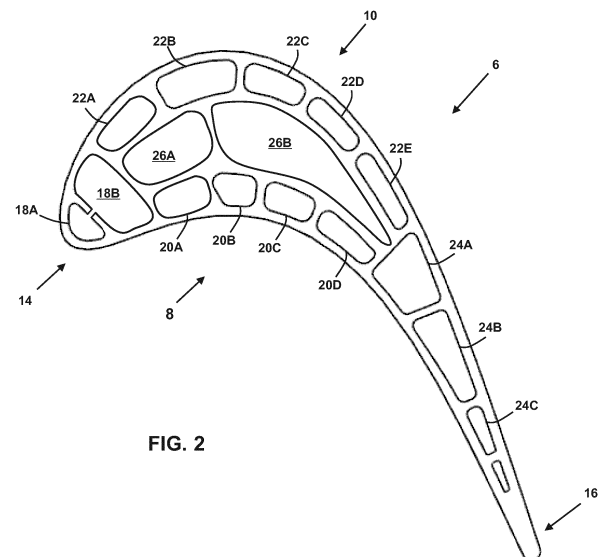


FIG. 2



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 Application Number
 EP 17 18 6706

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 January 2018	Examiner Teusch, Reinhold
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82